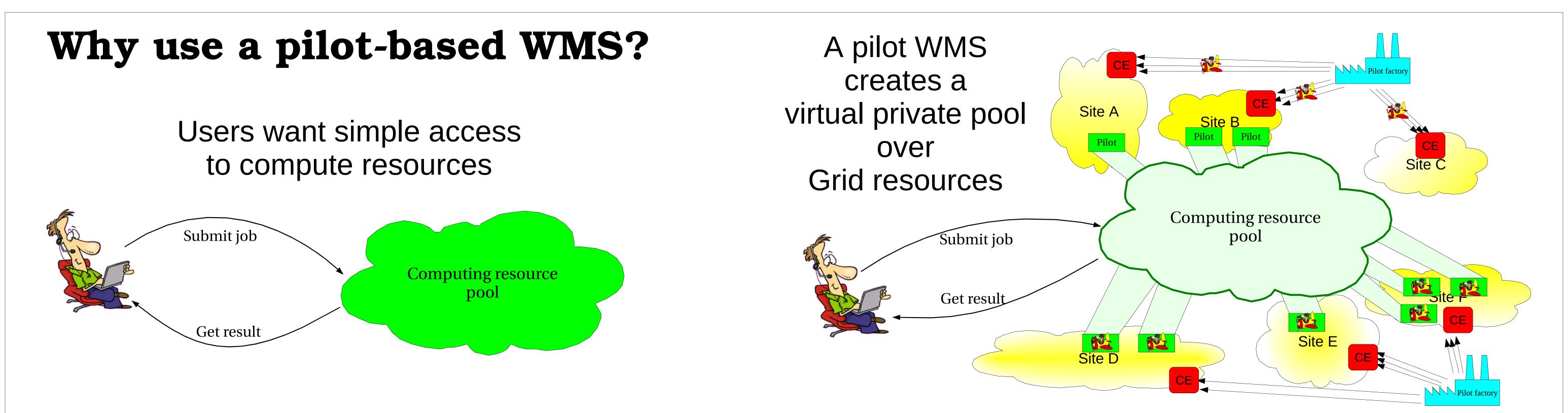
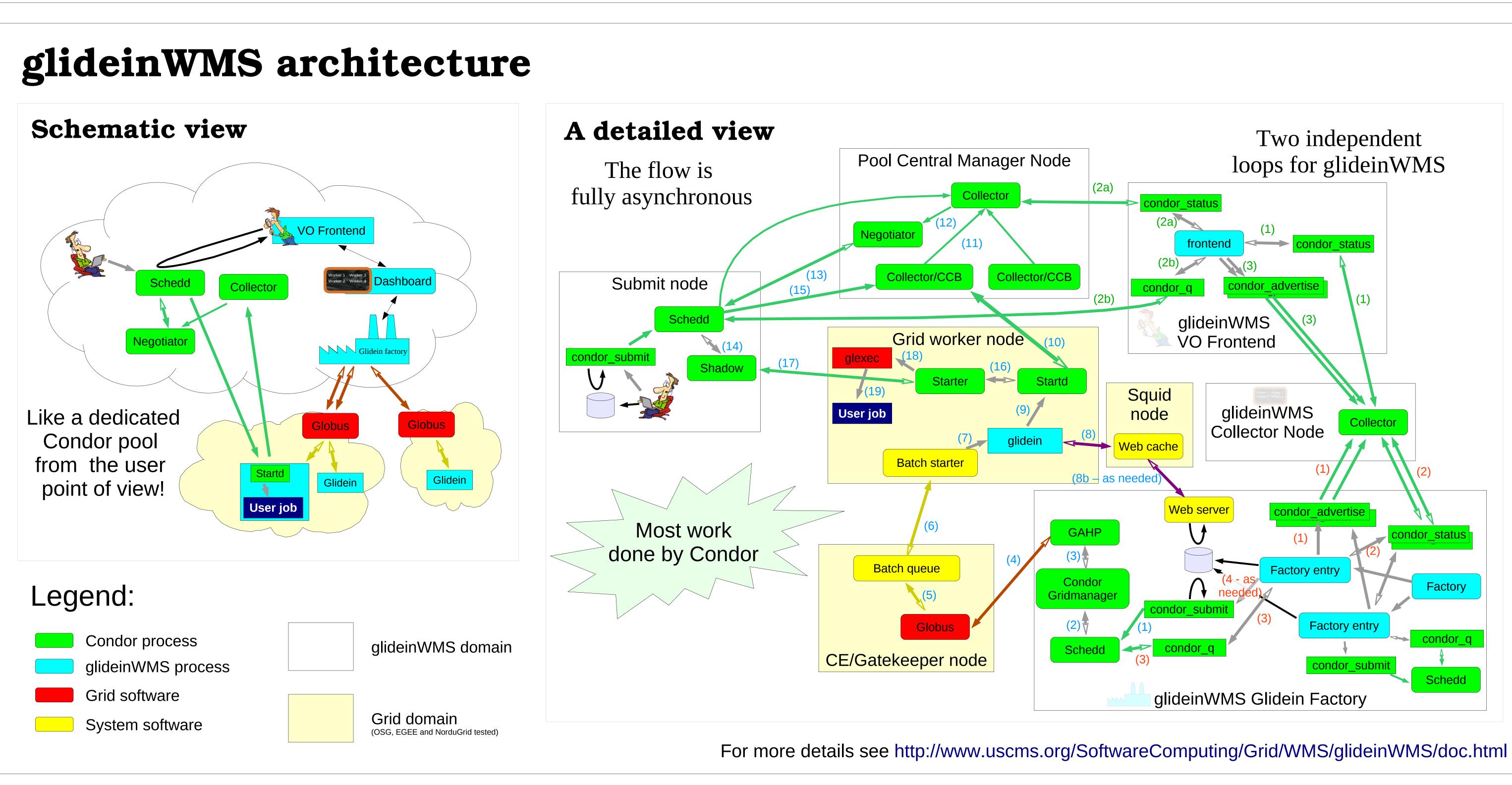
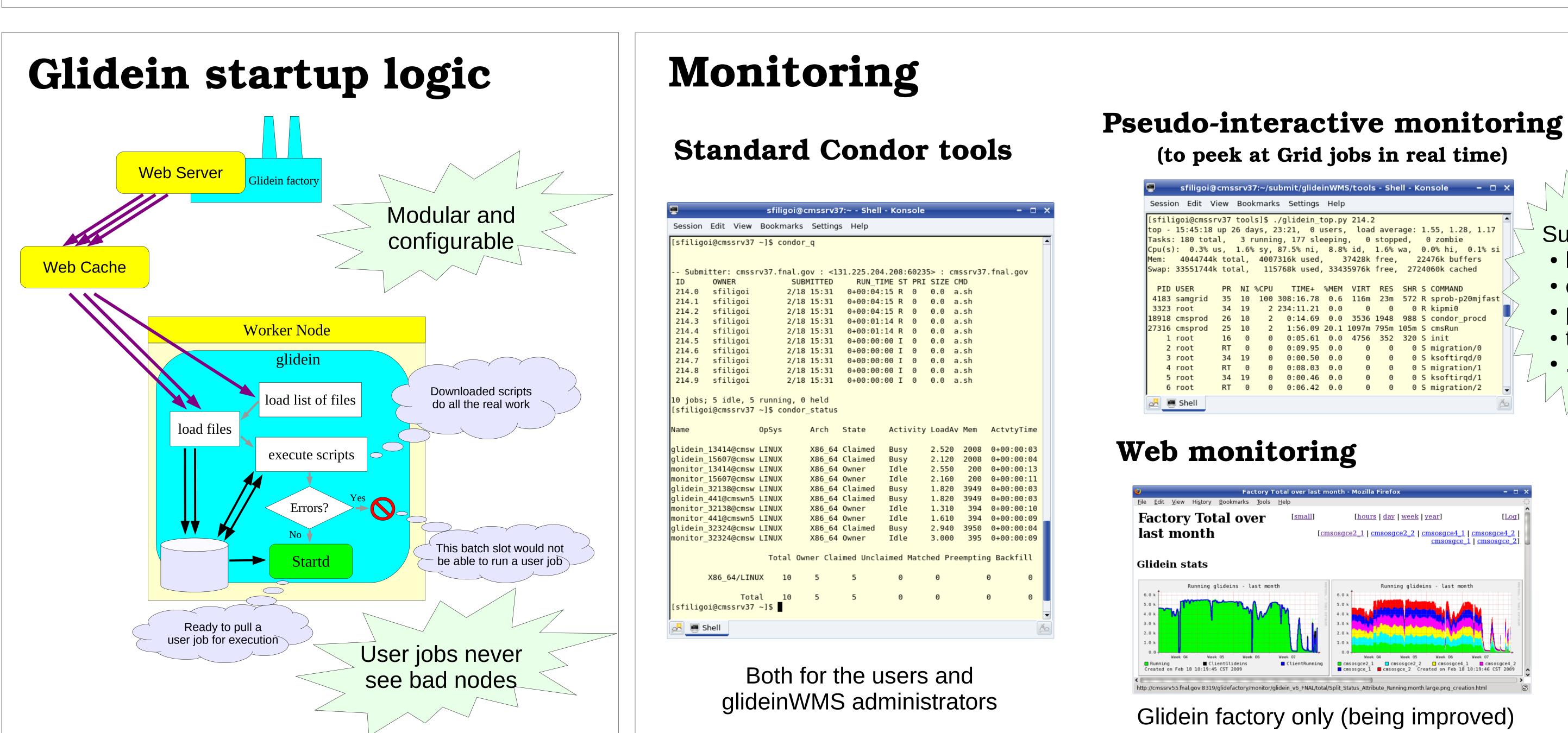
glideinWMS

A pilot-based Grid Workload Management System

presented by Igor Sfiligoi, Fermilab, Batavia, IL







Supports:

cat/tail

• |S

• ps

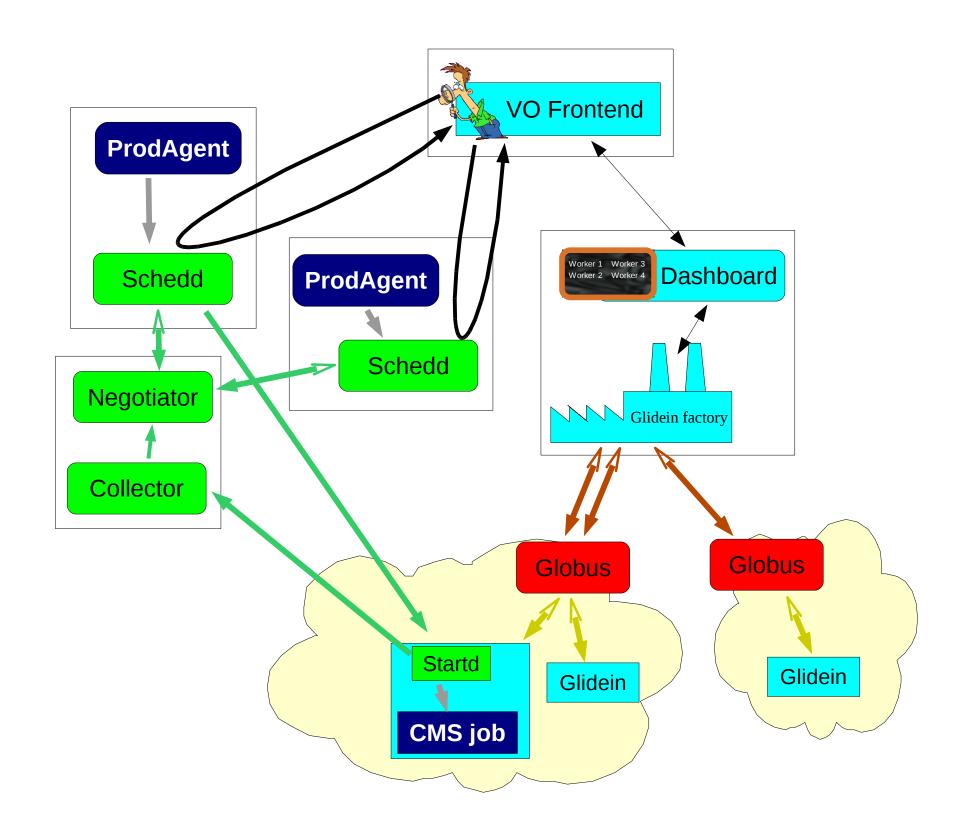
top

Current users of glideinWMS

presented by Igor Sfiligoi, Fermilab, Batavia, IL

CMS Processing

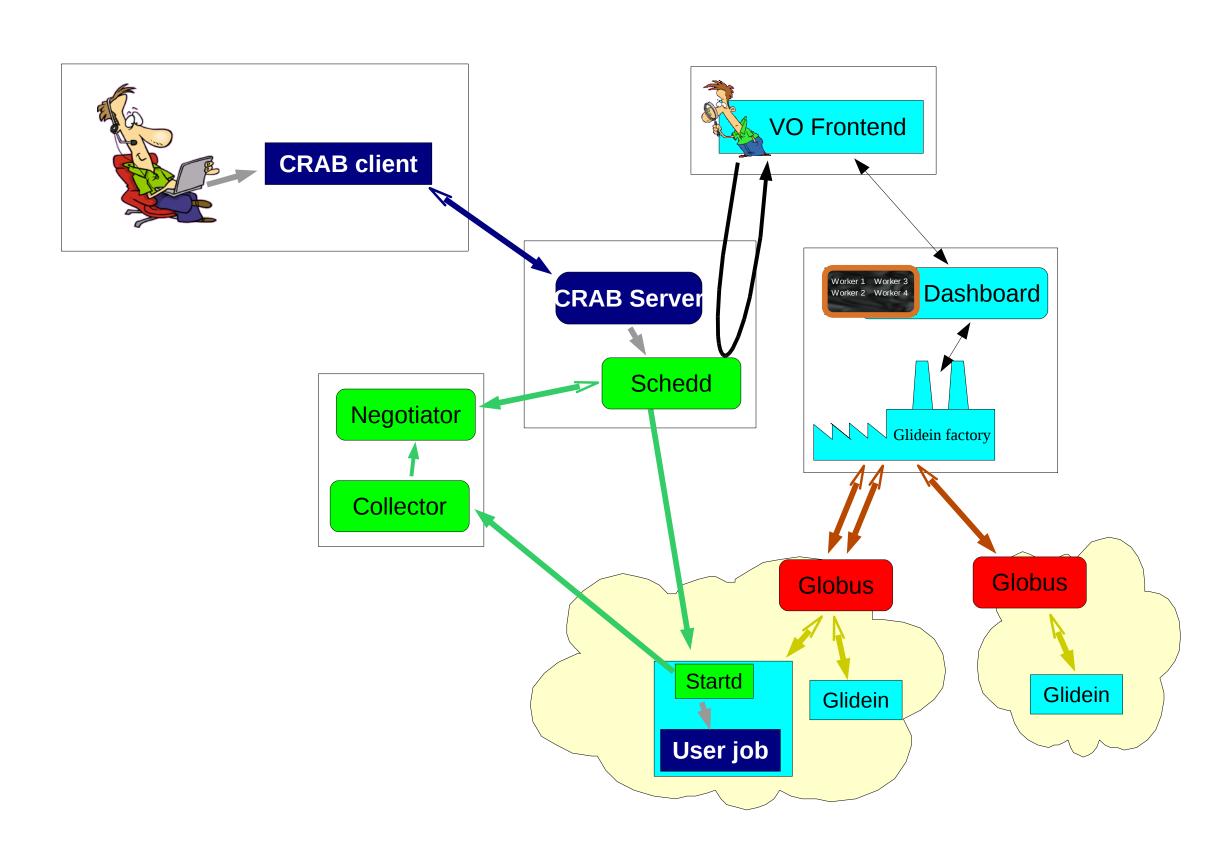
Fully automated, process driven



Has been running for over a year now Using both OSG and EGEE CMS Tier-1's

CMS User Analysis

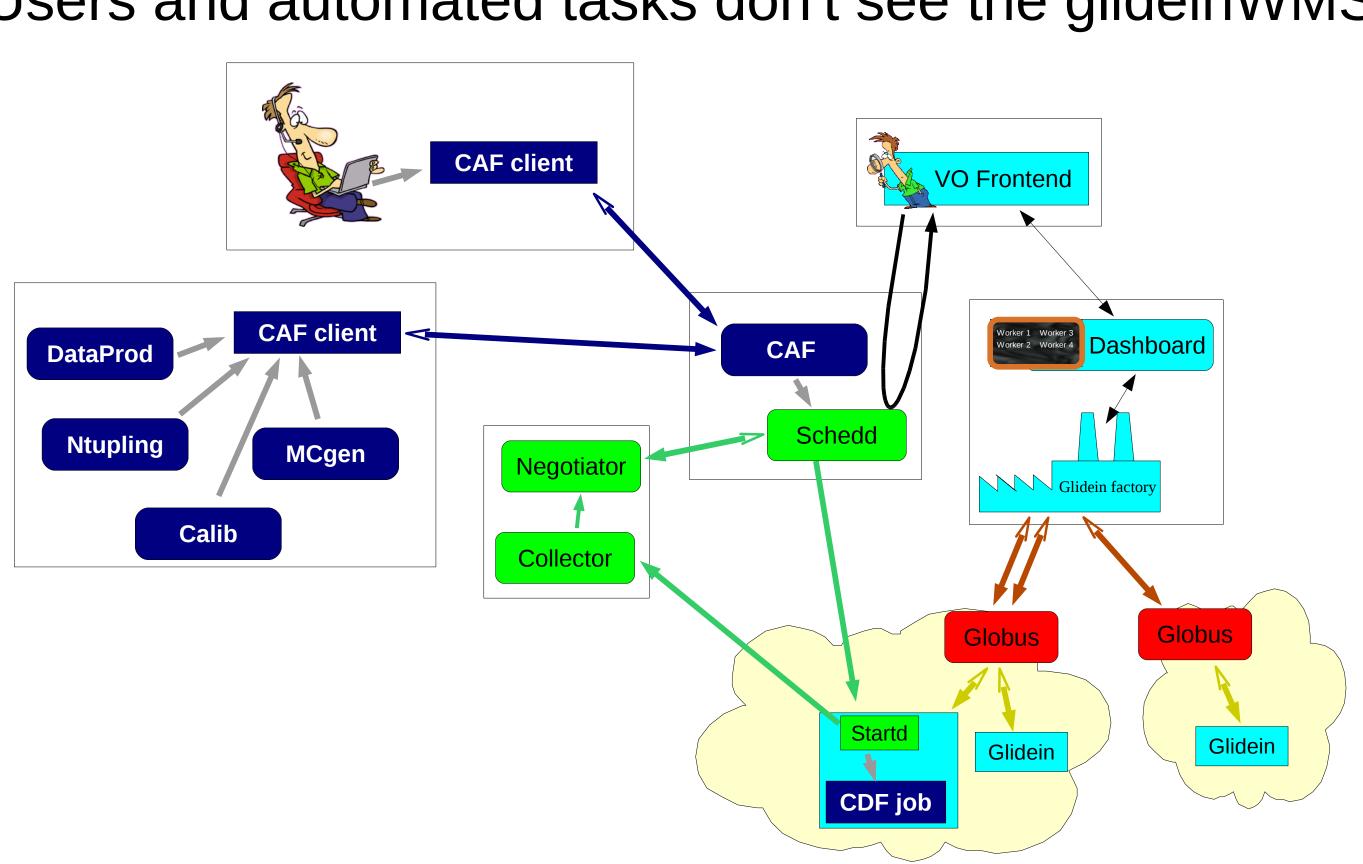
Portal based Users don't see the glideinWMS



Still a prototype
Using both OSG and EGEE CMS Tier-2's

CDF's Combined User Analysis and Centralized Activities

Portal based Users and automated tasks don't see the glideinWMS



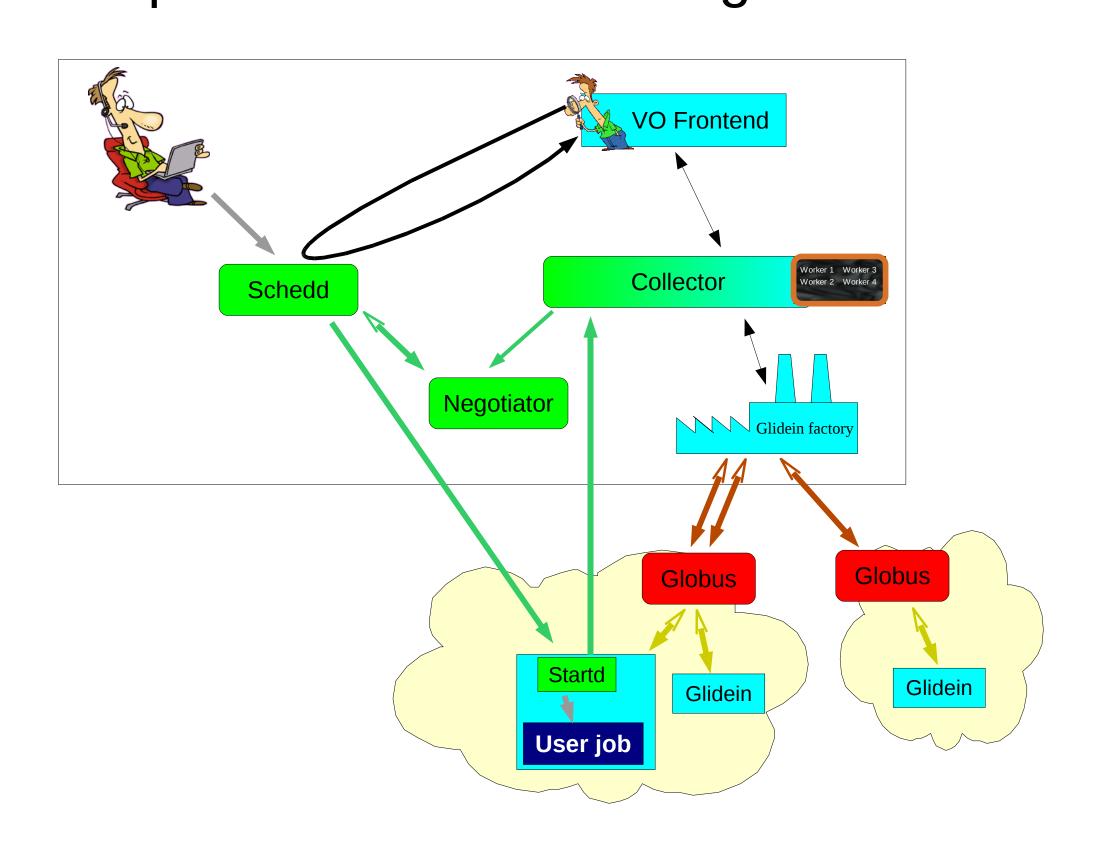
Used glidein-based solution for several years.

Currently moving to glideinWMS.

Using both CDF-owned and opportunistic OSG resources.

MINOS User Analysis

Users submit to a central schedd All processes share a single machine



Has been running for a year now
Using both MINOS-owned and opportunistic
OSG resources at Fermilab.

Scalability tests

Condor scalability tested

Collector scalability

- 11k on a single collector, on LAN
- 22k using a tree of 1+70 collectors over WAN (between Europe and USA)

Schedd scalability

- Limited to:
 - ~22k running jobs on a single schedd
- 200k idle jobs on a single schedd

Ran out of ports

glideinWMS scalability tested

VO Frontend scalability

- 200k idle and 22k running user jobs
- 20 schedds

Glidein factory scalability

- Limited to:
 - ~50 Grid sites basic installation
 - ~150 Grid sites with fine tuning
- 5 VO frontends
- 22k running glideins

Prototype that scales higher available